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<b>Notice of Allowability</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	09/987,305	CHEN ET AL.	
	<b>Examiner</b>	<b>Art Unit</b>	
	TUAN A PHAM	2643	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 11-14-2001.
2. ☒ The allowed claim(s) is/are 1-19.
3. ☒ The drawings filed on 14 November 2001 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☒ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☒ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.


Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
  - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
    - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
  - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |   |  |
|---|--|
| 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)   | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)            |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                | 6. <input type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),<br>Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment                    |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material          | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance   |
|   | 9. <input type="checkbox"/> Other _____.   |

  
**HUYEN LE**  
**PRIMARY EXAMINER**

## **DETAILED ACTION**

### **EXAMINER'S AMENDMENT**

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

2. The application has been amended as follows:

In claim 10, line 6, "Using" has been changed to --using--.

In claim 10, line 11, "Calculating" has been changed to --calculating--.

In claim 10, line 13, "Driving" has been changed to --driving--.

In claim 12, line 3, "Driving" has been changed to --driving--.

In claim 12, line 6, "Driving" has been changed to --driving--.

In claim 12, line 9, "Driving" has been changed to --driving--.

In claim 12, line 12, "Driving" has been changed to --driving--.

**(END of AMENDMENT)**

### **REASONS FOR ALLOWANCE**

3. Claims 1-19 are allowed over the prior art of record.

4. The following is an examiner's statement of reasons for allowance:

Husemann et al. (Pub. No.: U.S. 2001/0037264) teaches the method and apparatus for commercial transaction using a mobile phone to communicate with merchant to buy goods via network.

Holmes et al. (U.S. Patent No.: 6,751,475) teaches a method and system for monitoring a period of time associated with using a wireless device that integrated with a vehicle. The system comprises a mobile device, electronic control unit, and vehicle identification number to communicate with the telecommunication network.

Lorsch (U.S. Patent No.: 5,903,633) discloses a method and apparatus for prepaid phone card activation and billing.

Buchanan et al. (Pub. No.: U.S. 2002/0161650) discloses a method of manufacture of a point of sale terminal for placement in a secure location.

Cogen (Pub. No.: U.S.:2002/0138350) discloses a method and system for placing orders at a restaurant by using a handheld device.

Suwamoto et al. (Pub. No.: U.S.:2001/0027428) discloses a method and system for allowing easy payment without need of any credit card or other kinds of cards in the case of purchasing goods on the network.

However, the prior art made of record fails to teach or suggest, the arrangement of the apparatus and method of an On-Board wireless transaction system used in a motor vehicle and adapted for connecting through a GSM wireless network to one of a number of shops contracted with an issuing organization to order commodities and to complete the transaction, the issuing organization issued multiple fare cards, the fare cards each having a respective PIN (personal identification number) and a predetermined number of value-added points, the shops each having a shop-end computer, the shop-end computer having a GSM modem adapted for receiving an order from the On-Board wireless transaction system of the motor vehicle, the On-Board wireless transaction system comprising: an ordering device adapted for inputting an ordering demand to order at least one commodity and to produce a transaction data corresponding to the ordering demand, the transaction data including transaction points to be deducted due to the purchase of the at least one commodity been ordered; a card reader/writer adapted for reading data from the fare card, or writing data into the fare card; a GSM modem adapted for connecting to the GSM wireless network for data transmission; and a microprocessor adapted for receiving the transaction data produced by the ordering device, controlling the card reader/write to read the PIN and value-added points of the fare card and to compare the value-added points of the fare card with the transaction points, controlling the GSM modem of the On-Board wireless transaction system to transmit the PIN of the fare card and the transaction data through said GSM wireless network to the GSM modem of the shop-end computer of the respective contracted shop, if the number of the value-added points of the fare card is

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not smaller than the transaction points, for enabling the respective contracted shop to provide the commodity, calculating balance points of the fare card after deduction of the transaction points from the value-added points, and controlling the card reader/writer to write the balance points into the fare card after each transaction, in combination with other limitations, as specified in the independent claims 1, 10, and 15, and further limitations of their respective dependent claims 2-9, 11-14, and 16-19.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

***Conclusion***

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to **Tuan A. Pham** whose telephone number is (703) 305-4987 and E-mail address is: **tuan.pham@USPTO.GOV**.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mr. Curtis Kuntz, can be reached on (703) 305-4708 and

**IF PAPER HAS BEEN MISSED FROM THIS OFFICIAL ACTION PACKAGE, PLEASE CALL Customer Service at (703) 306-0377 FOR THE SUBSTITUTIONS OR COPIES.**

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks  
Washington, D.C. 20231

Or faxed to:

(703) 872-9306

Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington VA, Sixth Floor (Receptionist, tel. No. 703-305-4700).

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January 20, 2005  
Examiner

Tuan Pham

  
HUYEN LE  
PRIMARY EXAMINER